

Claim Amendments

Please enter the following amended claims:

1 (currently amended). A transgenic mouse whose germ cells and somatic cells contain (i) an inactive endogenous mouse inducible nitric oxide synthase gene, and (ii) a transgene encoding the human inducible nitric oxide synthase gene, said transgene including all regulatory elements of the human nitric oxide synthase gene necessary for a human pattern of expression of said transgene in said transgenic mouse.

2 (currently amended). A The transgenic mouse according to claim 1, wherein said mouse contains one allele encoding the human inducible nitric oxide synthase gene.

3 (currently amended). A method of determining if a compound is capable of inducing Alzheimer's disease, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for ~~one~~ the development of said disease.

4 (currently amended). A method of determining if a compound is capable of inducing Multiple Sclerosis, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the development of said disease.

5 (currently amended). A method of determining if a compound is capable of inducing Inflammatory Bowel Disease, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the debvelopment of said disease.

6 (currently amended). A method of determining if a compound is capable of inducing Rheumatoid arthritis, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the development of said disease.

7 (currently amended). A method of screening a compound for activity in treating Alzheimer's disease, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the treatment of said disease.

8 (currently amended). A method of screening a compound for activity in treating Multiple Sclerosis, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the treatment of said disease.

9 (currently amended). A method of screening a compound for activity in treating Inflammatory Bowel Disease, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the treatment of said disease.

10 (currently amended). A method of screening a compound for activity in treating Rheumatoid arthritis, comprising administering said compound to a the transgenic mouse of claim 1, and then examining said mouse for the treatment of said disease.